

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

AKIYAMA, Tomoyuki

Group Art Unit: 2633

Serial No.: 10/716,662

Examiner: Not Yet Assigned

Filed: November 20, 2003

P.T.O. Confirmation No.: 7437

For:

OPTICAL REPEATER

# INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR 1.97(b)

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

May 14, 2004

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449. One copy of each of these documents is attached.

Documents AA-AB, AF-AG and AK were cited in a European Search Report dated March 26, 2004. A copy of the search report is also enclosed.

No fee is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution

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of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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DWH/nk

Enclosures: PTO1449, Search Report, 5 References

**INFORMATION DISCLOSURE CITATION** PTO-1449

Atty. Docket No. 031281

Serial No. 10/716,662

Applicant(s): Tomoyuki Akiyama

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Group Art Unit: 2633

### **U.S. PATENT DOCUMENTS**

Examiner Initial		Document No.	Name	Date	Class	Sub class	Filing Date (If appropriate)
	AA	6,421,169 B1	Bonnedal et al	7/16/02	359	337.1	
	AB	4,923,291	Edagawa et al	5/8/90	350	389	
	AC						
	AD						
	AE						

### **FOREIGN PATENT DOCUMENTS**

	Document No.	Date	Country	Translation (Yes or No)
 AF	0615323A2	9/14/94	EP	
 AG	0305995	3/8/89	EP	
 АН				
 ΑI				·
 AJ				

# OTHER DOCUMENTS

	AK AL	Holtmann et al; "Monolithically Integrated Gain-Clamped Semiconductor Optical Amplifier Exploiting Mach-Zehnder Interferometer Configuration" WeD.3.4 - 22 <sup>nd</sup> Eur.Conf. On Optical Comm EEOC'96, Oslo, 3,199 (1996) pp199-202.  European Search Report dated March 26, 2004
Examiner		Date Considered